

# **INSTRUCTION MANUAL**

**BLP-890/ BLP-840 CUSTOM NAVIGATION SYSTEM**





**Content:** 

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Precaution ..... 2-3

Features.....4

Location and function of controls.....5-7

Card remote control.....8

Getting started.....9

Tuner operation.....10-11

Playback controls(CD/USB/SD).....12-13

Playing disc.....14-15

USB/SD operation.....16

iPod operation.....17-18

Bluetooth operation.....19-20

Other mode.....21

Navigation.....22-24

DVB-T.....25-26

Settings.....27-32

Installation.....

Troubleshooting.....35

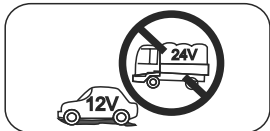
Specifications..... 36

## Safety Precautions

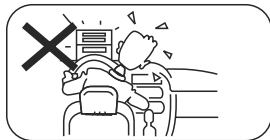
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Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this manual in a safe place for future reference.

1. Only connect the unit to a 12-volt power supply with negative grounding.



2. Never install this unit where the operation & condition for safety driving is restrained.



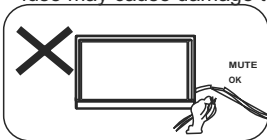
3. Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except using for rearview video camera.



4. Never expose this unit, amplifier and speakers to moisture or water for preventing electric sparks or fires.



5. Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.

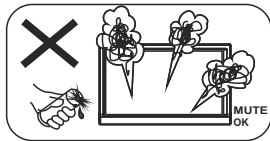


### Note

To ensure safe driving, please adjust the volume to a safe & comfort level in case of emergent situations

## Safety Precautions

Please power off this unit at once and send it back to the after-sales service center or the dealer /distributor you purchased from if one of the following symptoms is found:



- (a). No audio output;
- (b). No image output;
- (c). Water or other obstacle enters the unit;
- (d). Smoking;
- (e). Peculiar smell.

### Warning

Operate the unit correctly according to the manual instruction to prevent unnecessary problem.

### CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD player is harmful to eyes, do not attempt to disassemble the cabinet. Refer to qualified personnel only.

### Two laser products

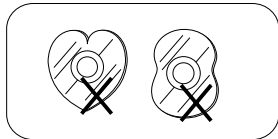
Wave length: CD: 780nm DVD: 650nm

Laser power: No hazardous radiation is emitted with safety protection.

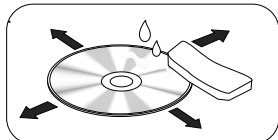
To reduce the risk of fire electric shock, and annoying interference, use only the included components.

### Caution of disc using

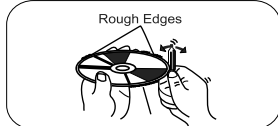
1. **DO NOT use irregular shaped disc.**



2. **Disc Cleaning.** Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent  
- can be used



3. **When playing a new disc.** New disc may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.



## Features

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### **DVD-R/RW compatibility**

It is possible to playback DVD-R/RW discs recorded with the video format and Video Recording format.

### **Video CDs featuring PBC compatibility**

It is possible to playback Video CDs featuring PBC (playback control).

### **WMA and MP3 compatibility**

It is possible to playback WMA and MP3 files.

### **About WMA**

The Windows Media™ logo printed on the box indicates that this unit can playback WMA data. !Windows Media and the Windows logo are trade marks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

!This unit maynot operate correctly depending on the application used to encode WMA files.

### **About MP3**

Supply of this product only conveys a license for private, non-commercial use and does not convey a license or imply any right to use this product in any commercial(i.e.revenuegenerating) realtime broadcasting (terrestrial,satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required.

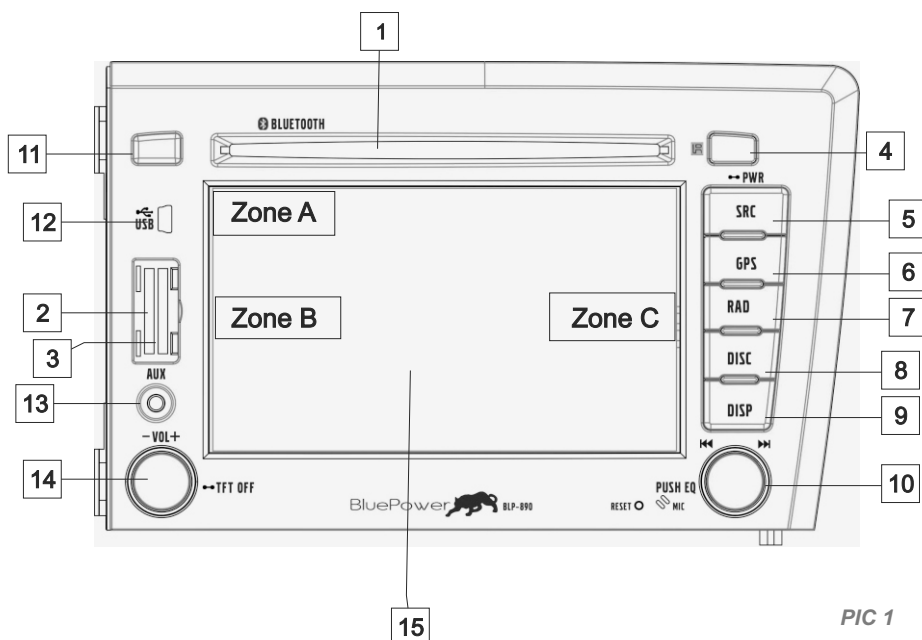


#### **Note**

*To provide a clear demonstration and an alternative for easy understanding of the operation of this unit, graphic illustration was used. However, this illustration is not necessary printed as the actual image found on the unit.*

## Location and function of controls

BLP 890



PIC 1

1. Disc slot
2. SD card slot
3. GPS card slot
4. Eject button
5. SRC button -- Short press to change sources; Long press to return to main source list/homepage
6. GPS button - Press to open navigation source
7. Radio button - Press to open radio source
8. Disc button -- Press to open disc source
9. Display button-- Press to turn off display
10. Prev/Next knob
11. IR eye
12. USB port
13. Aux input
14. Volume knob - Power button -- Short press to mute; Long press to turn of the power
15. Display window/touch panel



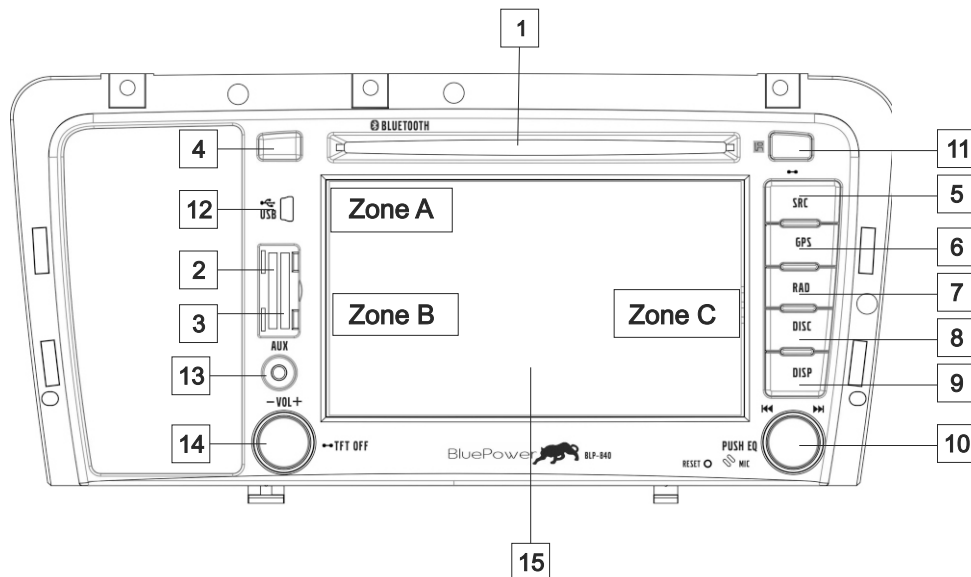
Note

**Zone A:** On any video/no signal mode, touch this zone to exit current interface and return to main source list interface

**Zone B:** On any audio/video playing mode, touch this zone to select previous section/song/movie, etc.

**Zone C:** On any audio/video playing mode, touch this zone to select next section/song/movie, etc

### BLP 840



PIC 2

1. Disc slot
2. SD card slot
3. GPS card slot
4. Eject button
5. SRC button -- Short press to change sources; Long press to return to main source list/homepage
6. GPS button - Press to open navigation source
7. Radio button - Press to open radio source
8. Disc button -- Press to open disc source
9. Display button-- Press to turn off display
10. Prev/Next knob
11. IR eye
12. USB port
13. Aux input
14. Volume knob - Power button -- Short press to mute; Long press to turn of the power
15. Display window/touch panel



Note

**Zone A:** On any video/no signal mode, touch this zone to exit current interface and return to main source list interface

**Zone B:** On any audio/video playing mode, touch this zone to select previous section/song/movie, etc.

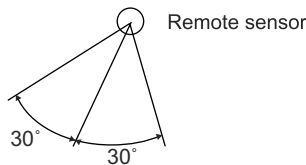
**Zone C:** On any audio/video playing mode, touch this zone to select next section/song/movie, etc



# Card remote control

## Card remote commander

The remote control can operate within a distance of 3~5 meters.



### Caution:

- 1. Service life of the battery is around 6 months under normal conditions. If the remote control can not be operated normally, the battery should be replaced with new one in time.
- 2. If the remote control is not to be used for a long time, the battery should be taken out to prevent liquid leakage from causing damage of the remote control.
- 3. Prevent the remote control from falling to ground which may damage it.
- 4. Do not dismantle or crush the battery, or put the battery into fire or place with other metal materials.
- 5. Put the battery of remote control in a safe place to prevent the children from swallowing it. If the children swallowed the battery by accident, please send them to see doctor promptly.

## Preparing the card remote commander

Before using the card remote commander for the first time, remove the insulation film.

## Remote control operation:



|  |                              |  |                                                                                             |
|--|------------------------------|--|---------------------------------------------------------------------------------------------|
|  | Power ON/OFF                 |  | In disc mod, switch audio tracks                                                            |
|  | Eject/Suck Disc              |  | In disc mode, repeat between selected point A and B                                         |
|  | Eject/Suck Disc              |  | Amplify images                                                                              |
|  | Switch modes                 |  | In disc mode, show disc information                                                         |
|  | Switch to main interface     |  | In disc mode, show digital keyboard for selection of sections                               |
|  | Switch to settings interface |  | In disc mode, show subtitle                                                                 |
|  | Adjus lcd screen             |  | Repeat                                                                                      |
|  | Mute                         |  | In disc mode, switching angle                                                               |
|  | Play/Pause                   |  | In radio mode, select current band, preset channels; In Bluetooth mode, input phone numbers |
|  | Stop                         |  | phone numbers                                                                               |
|  | Next / Search                |  | Selecting/Confirm keys                                                                      |
|  | Previous/Search              |  | Selecting/Confirm keys                                                                      |
|  | Volume up                    |  |                                                                                             |
|  | Volume down                  |  |                                                                                             |
|  | Fast forward / Search        |  |                                                                                             |
|  | Fast backward / Search       |  |                                                                                             |
|  | In disc mode,PBC ON/OFF      |  |                                                                                             |

PIC 3

# Getting Started

## Resetting the unit

Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit-- Press the reset button (with a pointed object, such as a ball-point pen.)

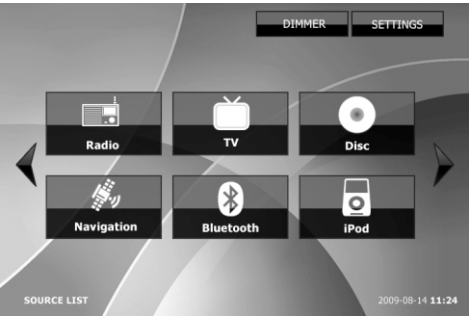


Note

Pressing the reset button will erase the clock setting and some stored contents.

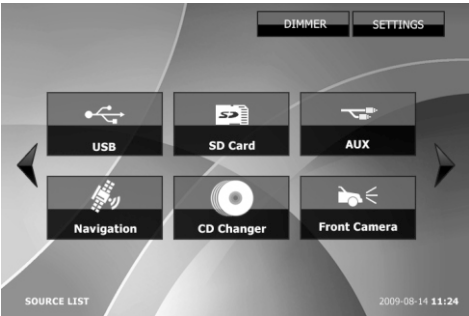
## Main Sources Screen display: (When no source is selected)

Main Source List 1



PIC 4

Main Source List 2



PIC 5



-- Change dimmer levels (brightness of the LCD screen)



-- Enter setting interface



-- Enter radio mode;



-- Enter TV mode



-- Enter disc mode;



-- Enter navigation mode



-- Enter Bluetooth mode;



-- Enter iPod mode



-- Enter USB mode;



-- Enter USB mode



-- Enter AUX mode;



-- Enter CD changer mode  
(this model has no this function)



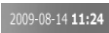
-- Enter front camera mode



-- Switch between main source list 1 and main source list 2



-- SOURCE LIST on the lower left corner shows the current source name



-- Time display on the lower right corner shows the current local time

# Tuner Operation

## Touch “RADIO”

Touch “SOURCE LIST”, then “RADIO”. The radio reception display appears:



PIC 6



PIC 7

- SOURCE LIST** -- Go back main source list
- SETTINGS** -- Enter setting interface
- PTY** -- When RDS on, touch to open PTY list(see PIC 7)
- AF/TA** -- When RDS on, touch to open AF/TA list (see PIC 8)
- X** -- Close current interface
- BAND** -- Open band list (see PIC 9)
- PRESET LIST** -- Open preset list(see PIC 10)
- AUTO SEARCH** -- Tune automatically
- Left/Right arrows** -- Half auto-tune to lower/higher frequencies when press and hold of these keys
- Touch these keys by one short touch to skip frequencies by step continuously**
- 17 +** -- Adjust sound volume level



PIC 8

## Touch “BAND”

The band list appears:



PIC 9



PIC 10

Touch the desired band (“FM1,” “FM2,” “FM3,” “AM1” or “Am2”);  
Touch “AUTO SEARCH” to tune, it will store received stations to the desired band automatically.  
Touch “BAND” to close the band list.

## Tuner Operation (Advanced)

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### Storing automatically

1. To change the band, touch "Band", then select the desired band
2. Touch "Preset List," then "Search", the unit stores stations in order of frequency in the preset list (button 1 to button 5).

### Storing manually

1. While receiving the station that you want to store, touch "Preset List."
2. Then long touch the button in the list (button 1 to button 5), the station is stored.



#### Note

*If you try to store another station on the same number, the previously station will be replaced.*

### Receiving stored stations

1. Select the band, then touch "Preset List."
2. Touch the desired button (button 1 to button 5).

### Setting AF and TA

1. During reception/playback, touch "AF/TA" the TA/AF interface will appear.
2. Touch to activate/deactivate

### Selecting PTY

1. During FM reception, touch "PTY", the PTY list appears if the station is transmitting PTY data.
2. Touch the desired program type, the unit searches for a station broadcasting the selected program type. To close the PTY list, touch "PTY."

## RDS

### Overview:

FM stations with Radio Data System (RDS) service send inaudible digital information along with the regular radio program signal.

### *AF (Alternative Frequencies)*

Selects and retunes the station with the strongest signal in a network. By using this function, you can continuously listen to the same program during a long-distance drive without having to retune the same station manually.

### *TA (Traffic Announcement)/TP (Traffic Program)*

Provides current traffic information/programs. Any information/program received, will interrupt the currently selected source.

### *PTY (Program Types)*

Displays the currently received program type. Also searches your selected program type.

### *CT (Clock Time)*

The CT data from the RDS transmission sets

## Playing discs

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### Insert a disc

Insert a disc into the slot, and the unit will change to disc mode automatically.



#### Note

*Please confirm whether there is a disc in the unit before you insert another one. The unit will exit current playing source and enter DVD mode when one disc is inserted. Some recorded discs, such as CD-R, CD-RW, DVD-R, DVD+R, DVD-RW, DVD+RW cannot be played back because of different recording status. Otherwise, the discs without being closed could not be played back.*

### If the DVD menu appears

Touch the item in the DVD menu directly. You can also use the menu control panel which can be shown by touching the display in a place other than menu item area.

### If the disc contains JPEG files

The slide show starts automatically.

### Eject the disc

Press  to eject the disc.



#### Note

- After ejecting the disc, the unit reverts to other mode automatically.
- You can eject a disc when the unit powered off. The unit remains off after the disc ejected.
- If the disc is not removed from the unit within 10 seconds, the disc will be reloaded to prevent accidental damage.

### File type supported

Audio file: MP3(\*.mp3), WMA(\*.wma)

Video file: MP4 (\*.avi, DIVX3.11/4.0/5.0/6.0/7.0)

MPEG 2 (\*.vob)

MPEG 1 (\*.dat)

Picture file: JPEG (\*.jpg)

MP3 file: ISO 9660 or ISO 9660 + Joliet format -- Max.30 characters; Max. nested directory is 8 levels; the max. album number is 99.

The max. length of each track is 99 minutes 59 seconds.

Supported sampling frequency for MP3 disc: 8KHz to 48KHz (44.1KHz preferably).

Supported bit-rates of MP3 disc are: 32 - 320kbps (128 kbps preferably).

### Disc and files NOT supported

\*.AAC, \*.DLF, \*.M3U, \*.PLS, MP3 PRO files and files with DRM.

Open session discs.

## Playback controls(CD/USB/SD)

Touch the display if the playback controls are not shown.



PIC 13



PIC 14

-- Go back to main source list

-- Enter settings main menu interface

-- Close/ go back to previous interface

-- It shows track name; -- It shows artist name; -- It shows album name.

-- The indicator bar shows playback status

-- Volume indicator and volume-/-volume+ buttons

-- Skip backward/foward a chapter/section/scene/image/file

-- Touch and hold momentarily to fast-backwardreverse/fast-forward the video; and then repeatedly to switch the speed (x 2, x 4, x 8...). To cancel, touch play .

-- Pause/resume play after pause

-- Stop playing chapter/track/scene/image/file

-- List up tracks/images/video files. (Picture on the right)

-- Scroll down to next page / up to previous page

--Touch to list audio files; --Touch to list pictures; --Touch to list video files.

Note

-- Close/open folder; touch files inside the folder and it will start to play

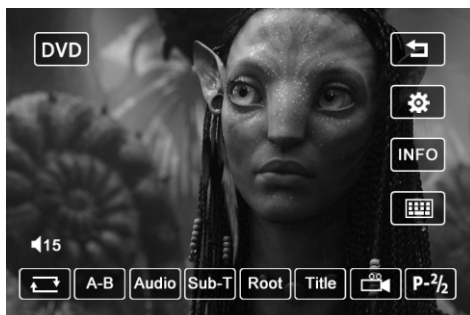
## Playback controls

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Touch the LCD screen, the playback controls menu interface appears:



PIC 11



PIC 12

- DVD** -- Return to main source(homepage)
- Exit menu interface and return to disc playback mode
- Enter settings interface where user can make settings
- INFO** -- Enter information interface where user can check disc information
- Enter digital keyboard interface for selecting sections by directly input the numbers
- Play or to pause the current selectedd program
- Stop playing/eject disc
- Play last section;
- Play next section
- Fast backward
- Fast forward
- Enter next page
- P-1/2** -- Enlarge images
- Repeat playing current section
- A-B** -- Repeat playing between point A and point B
- Audio** -- Select sound track
- Sub-T** -- Show subtitle (if the disc supports it)
- Root** -- Show root menu
- Title** -- Show primary disc menu
- Adjust view angles
- P-2/2** -- Go back to previous page



### Note

- *Connect the USB device after starting the engine. Depending on the USB device, malfunction or damage may occur if it is connected before starting the engine.*
- *A large-sized file may take time to start playing back.*

### Playing a SD card

Remove the cap from the SD card slot, and insert the card to the SD card reader slot, playback starts automatically.

If a SD card already is in the slot, to start playback, touch "SOURCE LIST", then "SD CARD"

### Playing a USB device

Remove the cap from the USB connector, and connect the USB device to the USB connector, playback starts automatically.

If a USB device is connected, to start playback, touch "SOURCE LIST", then "USB"

### About the controls and indications during playback

You can control USB/SD playback in the same way as disc playback. For details, see "Playback controls" on page

### To disconnect the USB device /SD card

Stop playback, then disconnect it.

Do not disconnect during playback, as data in the USB device / SD card may be damaged



### Notes on use

- *Do not use USB devices so large or heavy that they may fall down due to vibration, or cause a loose connection.*
- *Do not leave a USB device in a parked car, as malfunction may result.*
- *This unit cannot recognize USB devices via a USB hub.*



### Notes on playback

- *If a USB/SD device contains multiple file types, only the selected file type (audio/video/image) can be played.*
- *Displayed indications will differ, depending on the USB device, recorded format and settings.*
- *The maximum number of displayable data is as follows.*
  - folders (albums): 256
  - files (tracks): 2,000
- *It may take time for playback to begin, depending on the amount of recorded data.*
- *During playback or fast-forward/reverse of a VBR (Variable Bit Rate) MP3/WMA/AAC file, elapsed playing time may not display accurately.*
- *Playback of a lossless compression file is not supported.*

## iPod Operations

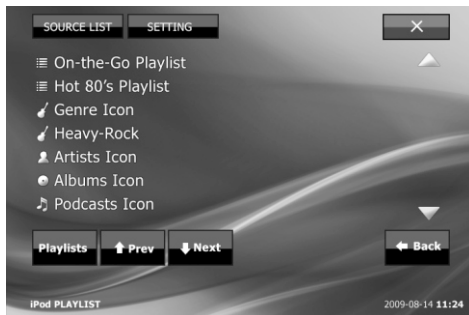
### Playing an iPod

Reduce the volume on this unit. Remove the cap from the iPod connector, and connect the iPod to the connector. Playback starts automatically. If an iPod is already connected, to start playback, touch "SOURCE LIST," then "iPod"

#### Controls and indications during playback:



PIC 15



PIC 16

**SOURCE LIST** -- Return to main source list

**SETTINGS** -- Enter settings interface

**X** -- Close/Go back to prev interface

-- It shows track name; -- It shows artist name; -- It shows album name.

-- The indicator bar shows playback status

**PLAYLIST** -- Open/close playlist (see PIC 16)

-- Switch to iPod video mode for controlling from iPod device

**MENU** -- Open iPod setting menu interface

-- Skip to last/next songs/pics

-- Pause/resume playing after pause

-- Turn to previous or next pages

-- Go back to iPod playback

# iPod Operations

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## Operating an iPod directly

You can directly operate an iPod connected to this unit.

During playback, touch "Video", the play mode changes to resuming mode.

To close the play menu, touch "Music"



Note

- To output video to this unit, you need to activate the video output of iPod.
- The volume can be adjusted only by this unit.

## Repeat and shuffle play

During playback, touch "Menu," then the "Repeat" or "Shuffle" box repeatedly until the desired option appears. Repeat or shuffle play starts. To close the play menu, touch "Back."

## Bluetooth Operation

### Basic procedure of the Bluetooth function

#### 1. Pairing

When connecting Bluetooth devices for the first time, mutual registration is required. This is called "pairing". This registration (pairing) is required only for the first time, as this unit and the other devices will recognize each other automatically from the next time.



Note

If you delete the device registration from this unit, you need to perform pairing again.

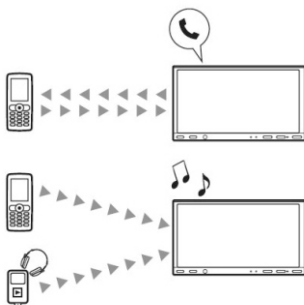
#### 2. Connection

After pairing is made, connect this unit and the Bluetooth device. Depending on the device, connection is automatically made along with the pairing.



#### 3. Handsfree

You can make/receive a handsfree call, or listen to audio through this unit.



# Bluetooth Operation

## Pairing

- Pairing is required only the first time you connect to a Bluetooth device(cellular phone, etc.).
- To pair this unit to a Bluetooth device, you need to enter password to the Bluetooth device. The password is 0000. Passkey may be called “passcode,” “PIN code,” “PIN number,” “password,” etc. depending on the Bluetooth device.
- In Bluetooth main page, touch PAIR, then “WAITING FOR PAIRING” appears on the TFT.
- Turn on Bluetooth function of your mobilephone, keep phone within 3 meters to the unit and star to search for Bluetooth devices.
- After the name of the Bluetooth module “CARKIT” appears on the pairing list of your mobile phone, select it. At this time, a passkey is required. Enter the pairing code(“1234” by default), the Bluetooth pairing will process automatically. Some mobile phones may instruct you to select connect or disconnect, please select connecting.
- After pairing successfully, the Bluetooth icon stops blinking, “PAIR OK” will appear on the LCD screen.

## Exit Pair

After pairing successfully, if you want to disconnect, press PAIR button, “EXIT PAIR” will appear on the LCD screen, the Bluetooth icon disappears.

## BT Audio

(if the mobile phone has the A2DP & AVRCP functions)

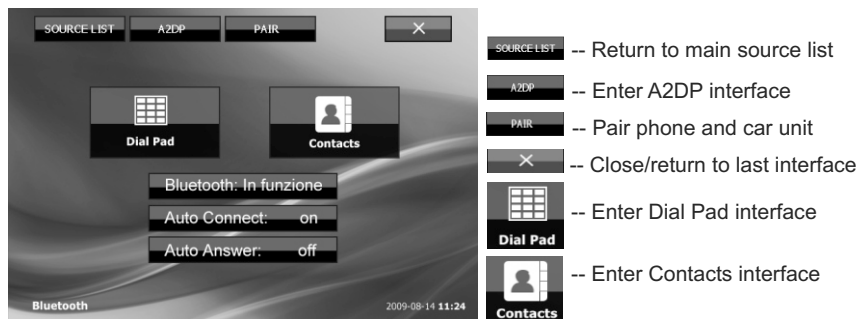
After pair successfully, in Bluetooth main menu,touch A2DP. At this time, the screen will appear “MUSIC PLAYING”, and the audio will be transferred from the mobile phone to the unit. Some mobile phones may hint that to connect with the unit.

## Handsfree calling

Once the unit is connected to the cellular phone, you can make/receive handsfree calls by operating this unit.

### 1. Making calls

Touch “SOURCE LIST” then “BLUETOOTH”, the Bluetooth main display appears(see *PIC 17*).



*PIC 17*

- Bluetooth-- Touch to enable/disable Bluetooth function;
- Auto Connect-- Touch to set automatic connection function;
- Auto Answer-- Touch to set automatic answer function.

## Bluetooth Operation

2. Touch “Dial Pad”, the number input display appears(see **PIC 18**).



**PIC 18**

Touch the number keys to enter the phone number, then touch  to make a call.

To delete an entered number, touch .

The call is made and the calling display appears until the other party answers.

During talking through the car Bluetooth, touch  to switch calling between your mobile phone and the car radio.

To stop the calling/talking, touch .

3. Touch “Contacts”, the contact interface appears (see **PIC 19**)



**PIC 19**

 -- Scroll down/up pages

 -- Received calls

 -- Dialed calls

 -- Missed calls

 -- Hang up the phone

 -- Contact list/phonebook

### Note

- 1) When your mobile phone is paired successfully to the car unit, the phonebook will be synced with the car unit bluetooth device.
- 2) The transmission of contact lists needs several minutes, please don't touch  promptly after pairing.
- 3) The amount of synced contact names are the first 40 from the phone.
- 4) Some phones doesn't support phonebook transmission.
- 5) When your mobile phone is disconnected with the car unit, the contact list will disappear; it will get synced when Bluetooth gets connected again.

## Other Modes

### AV mode

External peripheral devices with RCA audio and video outputs can be connected with the unit. For more details, please refer to < Electrical Connections Overall Diagram >.

### Front Camera / Rear Camera

External camera devices with video output can be connected with the unit. For more details, please refer to < Electrical Connections Overall Diagram >

### NAV mode

External suited navigation devices can be connected with the unit by the MAP card slot. For more details, please refer to <Navigation Operation>..

## GPS Antenna Installation Guide

You can mount the GPS antenna in the car or out of the car.

- Fix the GPS antenna to a suitable position on the dashboard behind the windscreen, and ensure no obstacles to receive GPS signals. When the satellites determine your position, the navigation system can supply instruction information. At the time the satellites do not locate your position completely, the navigation system can not supply instruction.
- Place the GPS antenna on the top of the car outside, no obstacles on the receiving direction

## Navigation Operation

### Touch screen calibration

1. Touch "Navigation" on main source interface (see *PIC 4, 5*). The navigation interface appears (see *PIC 20*):



*PIC 20*



*PIC 21*

2. Touch "Setup" on above Console interface, the setup interface appears (see *PIC 21*)
3. Follow up hints on the screen, press center of the cursors, until the calibration cursor automatically moves to up-left position, press in orders of lower-left position, lower-right position, upper-right position.
4. If the calibration is unsuccessful, it will restart the calibration interface.
5. If the calibration is successful, "OK" will be shown on screen, touch any part of screen to keep the calibration and return from the calibration interface

# Navigation Operation

- 6. After completing the touch screen calibration, the system will memorize the calibration result which would not lose even power off. It is unnecessary to calibrate every time power on.
- 7. Every product have already been calibrated before delivery.

## Navigation setup

1. Touch “Navigaiton Setup” in the setup interface. The navigation setup interface appears:



PIC 22

- 2. Touch and then select the correct EXE file from the navigaiton SD card.
- 3. Select “Start whether run navigation software automatically” the navigation software will run automatically when navigation is turned on.
- 4. After selecting the correct navigation software from SD card, touch to close navigaiton setup

## Run navigation software

1. Touch “Navigaiton” in the main interface.

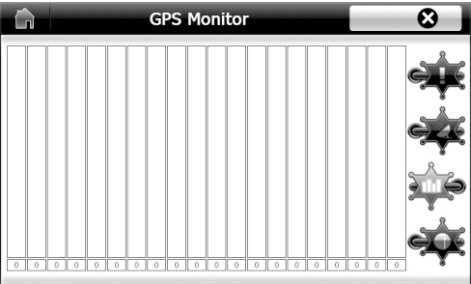


Note

Refer to navigaiton software operation instruction for exact nagvgation operation.

## GPS monitor

Touch “GPS Monitor” on the Setup intercaace(see PIC 21). The following interface appears:.

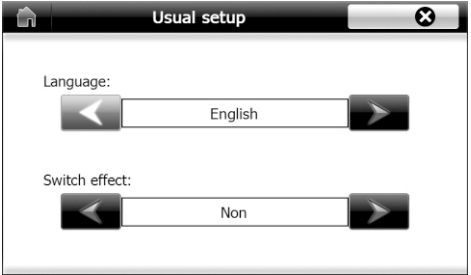


PIC 23

- 1. Touch for checking the received satellite data stream;
- 2. Touch for checking numbers of received satellites as well as the signal strength;
- 3. Touch for longitude, latitude and time

## Usual Setup

Touch “Usual Setup” on the Setup interface(PIC 21). The usual setup interface will appear.



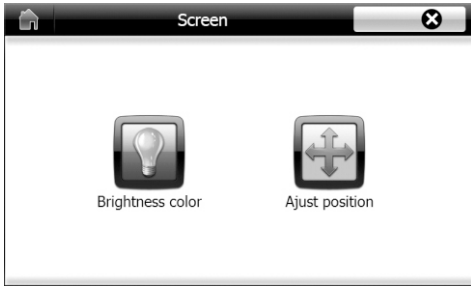
PIC 24

- 1. For changing language touch or to select desired language
- 2. For switching skin touch or untill desired skin is found.

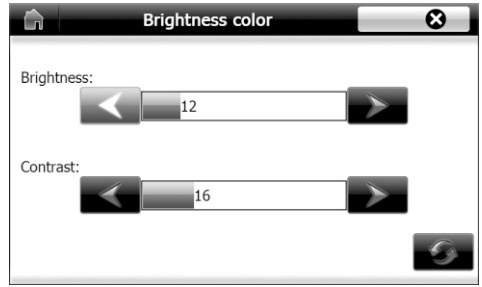
# Navigation Operation

## Screen Setup

Touch "Touch Screen" on the Setup interface(PIC 21). The Screen setup interface appears:.



PIC 25



PIC 26

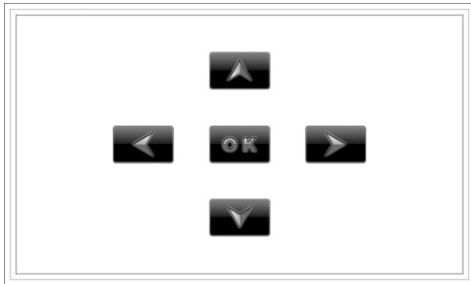
Touch "Brightness color" on PIC 25, the brightness color interface( see PIC 26) appears:

Touch ◀ or ▶ to adjust brightness or contrast.

Touch ↺ to restore default settings, touch ✕ to close the interface.

## Adjust Display

Touch "Adjust position" on the Screen interface( see PIC 25). The adjusting interface appears:

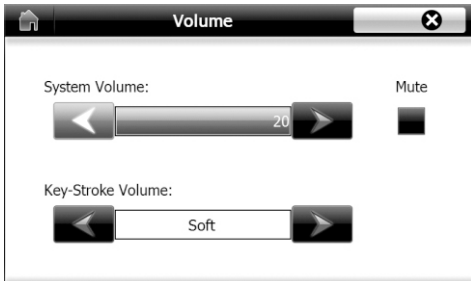


PIC 27

1. Touch ▲ ▼ ◀ ▶ to adjust display position.
2. Touch OK to save and close interface.

## Volume Setup

Touch "Volume" on the Setup interface(see PIC 21). The volume setup interface appears:



PIC 28

- 1.Touch ◀ or ▶ to adjust system volume level.  
Touch ■ to mute the system sound.
2. Touch ◀ or ▶ to select key-stroke volume.

# Navigation Operation

## Time and date

Touch “Time” on the Setup interface(see *PIC 21*). TheTime Setup interface appears:



PIC 29

Touch the keys to setup Month, Day, Year, Hour and Minute.

Touch   to select time zone

## System Setup

Touch “System” on the Setup interface(see *PIC 21*). The system interface appears:



PIC 30

Touch “Initial Setup” to restore the system to default factory settings.

Touch “Document Repair” to repair system files

DVB-T Antenna Installation Guide:

You can mount the DVB-T antenna inside of the car or outside of the car:

- Fix the DVB-T antenna to a suitable position on the dashboard behind the windscreen, and make sure no obstacles on the signal receiving direction.
- Place the DVB-T antenna on top of the car outside, make sure no obstacles on the signal receiving direction.

DVB-T operations

Touch “TV” on Main Source List (see PIC 4), you will enter TV mode.

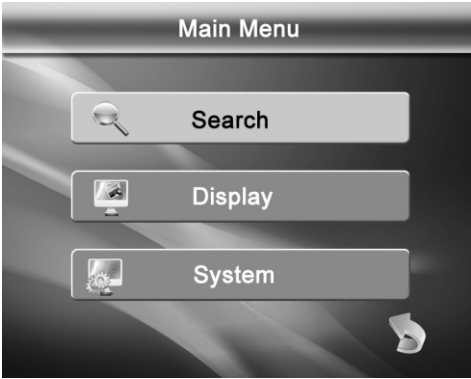
1. Touch central part of the TFT LCD screen, an menu interface appears



PIC 31

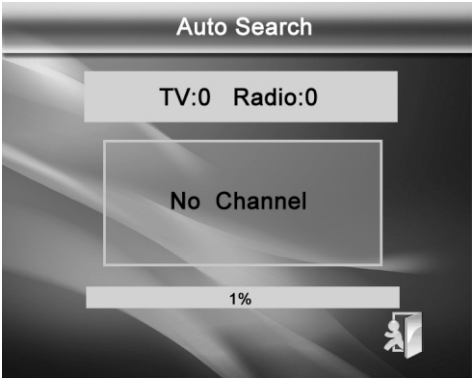
- To select lower frequency channels
- To select higher frequency channels
- To decrease sound volume
- To increase sound volume
- Enter Main Menu (see PIC 32)
- Exit menu interface

2. Touch on the above menu interface, Main Menu setup interface appears:

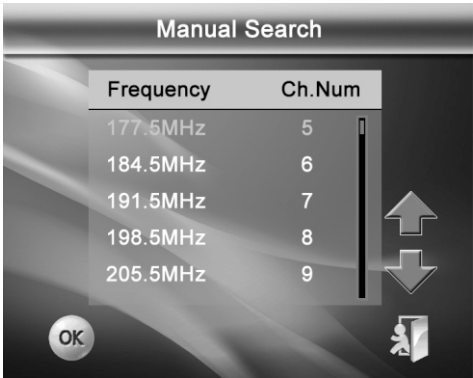


PIC 32

- Search**  
-- Enter to set “Auto Search” or “Manual Search” TV channels(see PIC 33 - 34).
- Display**  
-- Enter to set “Language”, “Screen” and “OSD” (see PIC 35)
- System**  
-- Enter to set “Country”, “Version” and “Reset Default” (see PIC 36)
- Close current interface and return to last interface



PIC 33



PIC 34

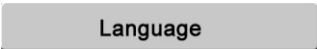
-  -- Exit menu interface
-  -- Confirm the selected frequency
-  -- Slide upward/downward to display frequencies



PIC 35



PIC 36

-  -- Enter to set preferred TV OSD language
-  -- Enter to set Ratio(16:9) and Format (Auto/Letterbox/Pan &Scan)
-  -- Enter to set TV background colors
-  -- Enter to select the country where you are
-  -- Enter to check TV system status
-  -- Enter to reset default

# Settings

Touch “SETTINGS” on the top menu, the main settings interface appears:



PIC 37

- Go back to Main Source interface
- Enter steering wheel setup interface
- Close current interface/go back to last interface



-- Enter time setup interface (see PIC 38)



-- Enter radio setup interface(see PIC 39)



-- Enter display setup interface(see PIC 40)



-- Enter language setup interface (see PIC 41)



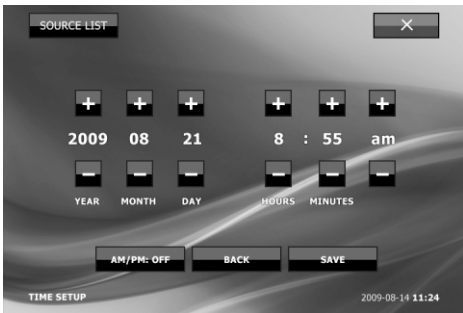
-- Enter sound setup interface (see PIC 42-46)



-- Enter screen calibration interface (see PIC 47)

## Clock and date

Touch “Clock And Date” on main settings interface(see PIC 37), the time setup interface appears:



PIC 38

- Enter Main Source interface
- Close current interface/go back to last interface
- Set 12 or 24 hour system
- Go back without saving new settings
- Save new settings and go back to last interface

-- Change numbers upwards  
AM/PM changing keys

-- Change numbers downwards  
AM/PM changing keys

# Settings

## Radio

Touch "Radio" on the main settings interface (PIC 37), the radio setup interface appears:.



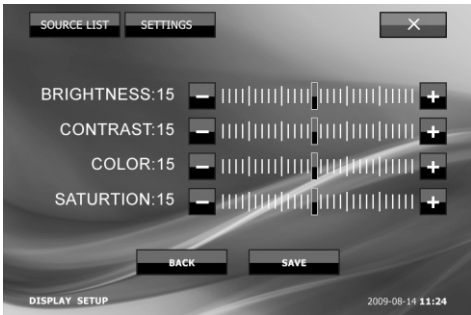
PIC 39

- SOURCE LIST** -- Go back to Main Source interface
- X** -- Close current interface/go back to last interface
- BACK** -- Go back to last interface without saving new settings
- SAVE** -- Save new settings and go back to last interface

Touch **Europe/Russia/America/Asia/Australia** to confirm selection of your corresponding radio region.

## Display

Touch "Display" on main settings interface (PIC 37), the display setup interface appears:



PIC 40

- SOURCE LIST** -- Go back to Main Source interface
- SETTINGS** -- Enter main setting interface
- X** -- Close current interface/go back to last interface
- BACK** -- Go back to last interface without saving new settings
- SAVE** -- Save new settings and go back to last interface

Touch **[-]** **[+]** to adjust BRIGHTNESS/CONTRAST/COLOR/SATURATION levels



### Note

Before shipment, the factory has already adjusted the levels to the best result. Unless the display effect get worse, it is not suggested to adjust randomly.

# Settings

## Language

Touch "Language" on the main settings interface (PIC 37), the language setup interface appears:



PIC 41

- SOURCE LIST** -- Go back to Main Source interface
- X** -- Close current interface/go back to last interface
- BACK** -- Go back to last interface without saving new settings
- SAVE** -- Save new settings and go back to last interface
- ↑ PREV** -- Page up
- ↓ NEXT** -- Page down

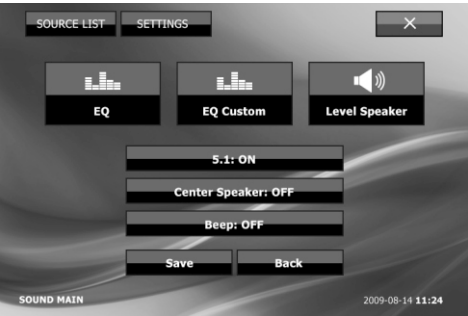
Touch English/Russian/deutsch/Italian/French... to select your desired language from the list



*The factory can make your desired languages upon your request, please keep factory timely informed if special languages are needed on this unit.*

## Sound

Touch "Sound" on main settings interface(PIC 37), the main sound setup interface appears:



PIC 42

- SOURCE LIST** -- Go back to Main Source interface
- SETTINGS** -- Enter main setting interface
- X** -- Close current interface/go back to last interface
- Save** -- Go back to last interface without saving new settings
- BACK** -- Save new settings and go back to last interface

- EQ** -- Enter EQ setup interface (PIC 43)
- EQ Custom** -- Enter EQ Custom setup interface (PIC 44)
- Level Speaker** -- Touch to enter Level Speaker setup interface (PIC 45)

Touch 5.1: ON/OFF to enable/disable 5.1 audio function (available on higher version)  
Touch Center Speaker: ON/OFF to enable/disable center speaker (available on higher version)  
Touch Beep: ON/OFF to enable/disable beep sound

# Settings

## Sound - EQ

Touch “EQ” on the main sound settings interface (PIC 42), the EQ setup interface appears:



PIC 43

- SOURCE LIST** -- Go back to Main Source interface
- X** -- Close current interface/go back to last interface
- BACK** -- Go back to last interface without saving new settings
- SAVE** -- Save new settings and go back to last interface
- PREV** -- Page up
- NEXT** -- Page down

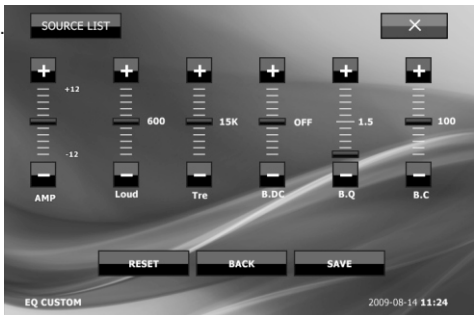
Touch **CLASSIC/ROCK/JAZZ/POP** to select your desired audio style;  
Touch **OFF** to close the EQ setup.

 **Note**

*PREV/NEXT buttons may be deleted in updated version.*

## Sound - EQ Custom

Touch “EQ Custom” on main sound settings interface (PIC 42), the EQ Custom setup interface appears:



PIC 44

- SOURCE LIST** -- Go back to Main Source interface
- X** -- Close current interface/go back to last interface
- RESET** -- Reset the settings
- BACK** -- Go back to last interface without saving new settings
- SAVE** -- Save new settings and go back to last interface

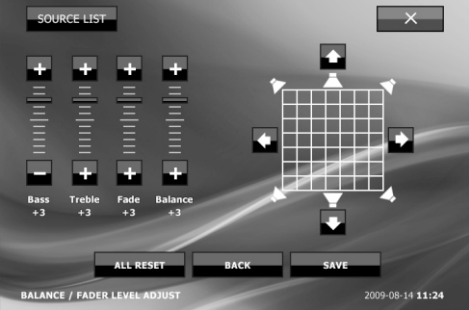
Touch **+** **-** to adjust audio effect by yourself.

 **Note**

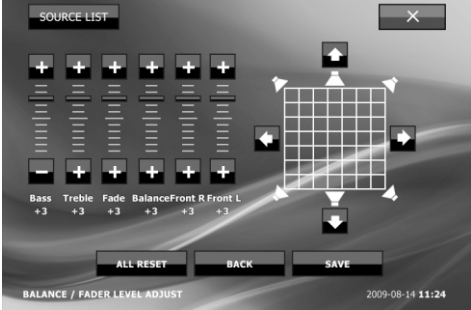
*This EQ custom function is for higher version*

# Settings

Touch “Level Speaker” on main settings interface(*PIC 37*), the level speaker setup interface appears:



PIC 45



PIC 46

- Go back to the Main Source interface
- Close current interface/go back to last interface
- Reset the settings
- Go back to last interface without saving new settings
- Save new settings and go back to last interface

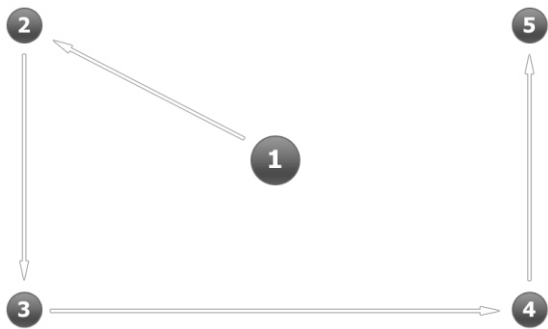
Touch to adjust balance/fader levels to meet your desired effect.

## Note

*PIC 45 for standard version; PIC 46 for higher version.*

## Calibration

Touch “Calibration” on the main settings interface (*PIC 37*), the calibration setup appears.

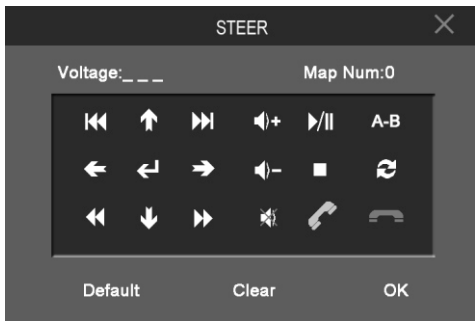


PIC 47

Touch 1,2,3,4,5 cursor to calibrate the touch screen. Once the calibration is done, it doesn't need to calibrate every time you run the player, only calibrate it when the touch buttons are not in correct positions.

# Steering wheel controls

Touch "STEER" on the top in main settings interface(PIC 3), the steer setup interface appears:



PIC 48

After connecting the steering wheel control wires to the car, operate as followings:  
Press a button on steering wheel, you will see a voltage value shows on the interface, select the corresponding button from the interface (for example, you press **⏮** on the steering wheel, the voltage value will show here **Voltage: \_ \_ \_**, then press **⏮** on the interface, then press OK, then press Default to set this button as default setup). It is same setup principle for the other buttons. Max 6 buttons could be setup.

- ⏮ ⏭** -- Last One/Next One
- ⏮ ⏭** -- Fast backward/forward
- ⏮ ⏭** -- Play/Pause
- 🔊+** -- Volume +
- 🔊-** -- Volume -
- 🔊** -- Mute
- ⬅ ➡ ⬇ ⬆ ⬅** -- Up/Down/Left/Right/Confirm
- A-B** -- Play section from A to B
- -- Stop
- ↻** -- Switch between this unit and phone
- 📞** -- Receive call
- 📞** -- Hang up call

## Troubleshooting

The following checklist can help you solve the problems which you may encounter when using the unit. Before consulting it, check the connections and follow the instructions in the user manual.

| Problem                                                     | Possible cause                                                                | Solution                                                                                                                                                    |
|-------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             |                                                                               |                                                                                                                                                             |
| The unit will not switch on.                                | Car ignition is not on.<br>Cable is not properly connected.<br>Fuse is burnt. | Turn your car key in the ignition.<br>Check cable connection.<br>Replace fuse with a new fuse of the same capacity.                                         |
| No sound                                                    | Volume is set at minimum or the mute function is on.                          | Check the volume or switch the mute function off.                                                                                                           |
| The unit or screen does not function normally.              | The unit system is unstable.                                                  | Press the RESET button.                                                                                                                                     |
|                                                             |                                                                               |                                                                                                                                                             |
| The appliance will not play discs.                          | The disc is inserted incorrectly.<br>The disc is dirty or damaged.            | Disc must be inserted with the label side facing up. Clean the disc and check for damage. Try another disc.                                                 |
| Sound skips due to vibration.                               | Mounting angle is over 30°.<br>Mounting is unstable.                          | Adjust mounting angle to less than 30°. Mount the unit securely with the supplied parts.                                                                    |
|                                                             |                                                                               |                                                                                                                                                             |
| Unable to receive stations.                                 | The antenna is not connected properly.                                        | Connect the antenna properly.                                                                                                                               |
| Poor quality reception of radio station.                    | The antenna is not fully extended or it is broken.                            | Fully extend the antenna and if broken, replace it with a new one.                                                                                          |
| Preset stations are lost.                                   | The battery cable is not properly connected.                                  | Connect the permanent live on the unit to the permanent live on the vehicle.                                                                                |
|                                                             |                                                                               |                                                                                                                                                             |
| Unable to insert USB device or SD/MMC card.                 | The memory card or USB device has been inserted the wrong way round.          | Insert it the other way around.                                                                                                                             |
| The USB device or SD/MMC card cannot be read.               | NTFS format is not supported.                                                 | Check that the USB disk file system is in FAT or FAT32 format. Due to different formats, some models of USB storage devices or MP3 players may not be read. |
|                                                             | The SD/MMC card is not map card.                                              | Using a map card.                                                                                                                                           |
|                                                             |                                                                               |                                                                                                                                                             |
| The remote control is not working or does not work properly | The batteries are low or empty.                                               | Change the batteries.                                                                                                                                       |

# Specifications

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## General

|                            |                                                              |
|----------------------------|--------------------------------------------------------------|
| Power supply               | 12V DC (10.8V-16V)<br>Best voltage 14.3V,<br>negative ground |
| Maximum power output       | 60Wx4 channels                                               |
| Continuous power output    | 80Wx4 channels (4Ω<br>10% T.H.D.)                            |
| Suitable speaker impedance | 4-8 ohm                                                      |
| Pre-Amp output voltage     | 4.0V (CD play mode:<br>1KHz, 0 dB, 10KΩ<br>load)             |
| Fuse                       | 15A                                                          |
| Dimensions (WxHxD)         |                                                              |
| - Chassis                  | 178x100x154mm                                                |
| - Nose                     | 178x101.5x15mm                                               |
| Weight                     | 3.5kg                                                        |
| Aux-in level               | ≥300mV                                                       |
| Sub-out                    | 4.0V                                                         |

---

## Disc Player

|                           |                              |
|---------------------------|------------------------------|
|                           | Disc digital audio<br>system |
| Frequency response        | 20Hz - 20KHz                 |
| Signal/noise ratio        | >80dB                        |
| Total harmonic distortion | Less than 0.20% (1KHz)       |
| Channel separation        | >60dB                        |
| Video signal output       | NTSC/PAL                     |
| Video output level        | 1±0.2V                       |
| Video signal input        | NTSC/PAL                     |

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## FM Stereo Radio

|                      |                                       |
|----------------------|---------------------------------------|
| Frequency range      | (Europe)<br>87.5 - 107.9 MHz<br>(USA) |
| Usable sensitivity   | 8dBμ                                  |
| Frequency response   | 30Hz-15KHz                            |
| Stereo separation    | 30dB (1KHz)                           |
| Image response ratio | 50dB                                  |
| IF response ratio    | 70dB                                  |
| Signal/noise ratio   | >55dB                                 |

---

## AM(MW) Radio

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Frequency range    | 522-1620KHz<br>(Europe)<br>530-1710KHz<br>(USA) |
| Usable sensitivity |                                                 |

## Digital TFT LCD

|                    |                      |
|--------------------|----------------------|
| Display resolution | 800(W) x 480(H)      |
| Active area (mm)   | 137.52(H) x 77.22(V) |
| Screen size (inch) | 6.2/7.0 (Diagonal)   |
| Brightness         | ≥350 nits            |

---

## Components

|                              |   |
|------------------------------|---|
| Wire connector.....          | 1 |
| Trim plate.....              | 1 |
| Manual book.....             | 1 |
| Remote control.....          | 1 |
| GPS antenna(optional).....   | 1 |
| DVB-T antenna(optional)..... | 1 |
| iPod cable.....              | 1 |
| AUX cable(optional).....     | 1 |
| USB cable(optional).....     | 1 |

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### Note

*Specifications and designs are subject to change without notice due to improvements in technology*



# BLUEPOWER BLP-890 / BLP-840

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